OIPE JC189 MAY 14 2001 PATENT & TRADEMARK OFFICE

#4

NEW REQUIREMENTS ENTRY

PLEASE COMPLETE THIS FORM TO ADD A REQUIREMENT.

MILLENIUM CORPORATION ~101

"*" DENOTES MANDATORY INFORMATION

YOUR REQUIREMENT

REQ REFERENCE * [2000 BUG] 102

JOB TITLE * [Y2K SENIOR PROGRAMMER] 103

POSITIONS * [2] 104 — # OF POSITIONS TO BE FILLED

INTERVIEWS * [4] 105 — # OF CANDIDATES TO BE INTERVIEWED

MAX BILL RATE ($/HR) [400] 106

PROJECT LOCATION — COUNTRY * [USA] 107 — STATE * [WASHINGTON, D.C.] 108 — CITY [ ] 109

PROJECT DATE (MM/DD/YYYY) — ASSIGNMENT START DATE [12/1/99] 110 — APPROX. DURATION (MONTHS) [2] 111

AUCTION DATES (MM/DD/YYYY) — START DATE [11/25/99] 112 — END DATE [11/30/99] — TIME [17] 113 (EST) — [9] (EST)

SKILL SET

SKILL 114	SKILL TYPE 115	EXPERIENCE (MONTHS) MIN	MAX	
WINDOWS NT	REQUIRED	36	--	EDIT DELETE
-SELECT-	REQUIRED			ADD SKILL

JOB DESCRIPTION [FIX Y2K PROBLEMS FOR NUCLEAR POWER PLANT] 117

118 ADVANCE REQ OPTIONS — 119 REQ COMPLETE-CONFIRM — 120 SAVE TO EDIT LATER — 121 RESET/ START OVER

Fig. 1

ADVANCE OPTIONS

PLEASE COMPLETE THIS FORM TO SPECIFY YOUR ADVANCE OPTIONS.

MILLENIUM CORPORATION ~201

ABOUT REQUIREMENT

REQ REFERENCE 2000BUG ~202

JOB TITLE Y2K SENIOR PROGRAMMER ~203

SKILL SET

SKILL ~206	EXPERIENCE (MONTHS) ~205		ADDITIONAL EXPERIENCE ~204
	MIN	MAX	
WINDOWS NT	36	--	NOT PREFERRED ▼

CONSULTANTS WITH LESS THAN [50] ~207 % OF THE MINIMUM EXPERIENCE SHOULD NOT BE SHORTLISTED.

CONSULTANTS WITH MORE THAN [50] ~208 % OF THE MAXIMUM EXPERIENCE SHOULD NOT BE SHORTLISTED.

PREMIUM PLACED [10] ~209 % ON MAXIMUM EXPERIENCE OVER MINIMUM EXPERIENCE.

CONSULTANTS WITH LESS THAN [80] ~210 % MATCH WITH REQUIRED SKILLS SHOULD NOT BE SHORTLISTED.

CONSULTANTS MUST BE AVAILABLE FOR AT LEAST [1] ~211 DAYS AFTER AUCTION CLOSE FOR INTERVIEW AND CONTRACT FINALIZATION.

WEIGHTAGE FOR BID EVALUATION FACTOR

EVALUATION FACTOR	IMPORTANCE ON SCALE FROM 0 - 10	RELATIVE IMPORTANCE IN %
PRICE	[7] ~212	25.9259259259
SKILL FIT	[5] ~213	18.5185185185
AVAILABILITY	[10] ~214	37.037037037
RESERVATION	[5] ~215	18.5185185185

~216 ● COMPUTE

PRICE - BILL RATE ($ / HR).
SKILL FIT - DEGREE OF FIT OF CONSULTANT'S EXPERIENCE AGAINST REQUIREMENT EXPERIENCE.
AVAILABILITY - CONSULTANT'S AVAILABILITY RELATIVE TO ASSIGNMENT START DATE.
RESERVATION PERIOD - NUMBER OF CALENDAR DAYS A MEMBER AGREES TO HOLD A CANDIDATE UNTIL CONFIRMATION FROM CLIENT.

● ADD ANOTHER REQUIREMENT FOR SAME REFERENCE ~217

● REQ COMPLETE CONFIRM ~218

● RESET ~219

Fig. 2

YOUR REQUIREMENTS LISTING

COMPLETE LISTING OF REQUIREMENTS YOU HAVE ENTERED.

MILLENIUM CORPORATION ~301

CLIENT REQS : ALL

LIVE AUCTION | ALL | NOT STARTED | INCOMPLETE | CLOSED ~302

REQ REFERENCE	JOB TITLE	SKILLS	ASSIGNMENT START DATE	# OF POS	REQ STATUS	AUCTION CLOSE DATE	# OF BIDS	LOWEST BID ($/HR)
POST Y2K PROGRAMMER	PROGRAMMER	WINDOWS API, WINDOWS NT	01/01/2000	1	NOT STARTED	11/29/1999	0	
2000BUG	Y2K SENIOR PROGRAMMER	WINDOWS NT	12/01/1999	2	LIVE AUCTION	11/30/1999	2	100

~303 ~304 ~305

Fig. 3

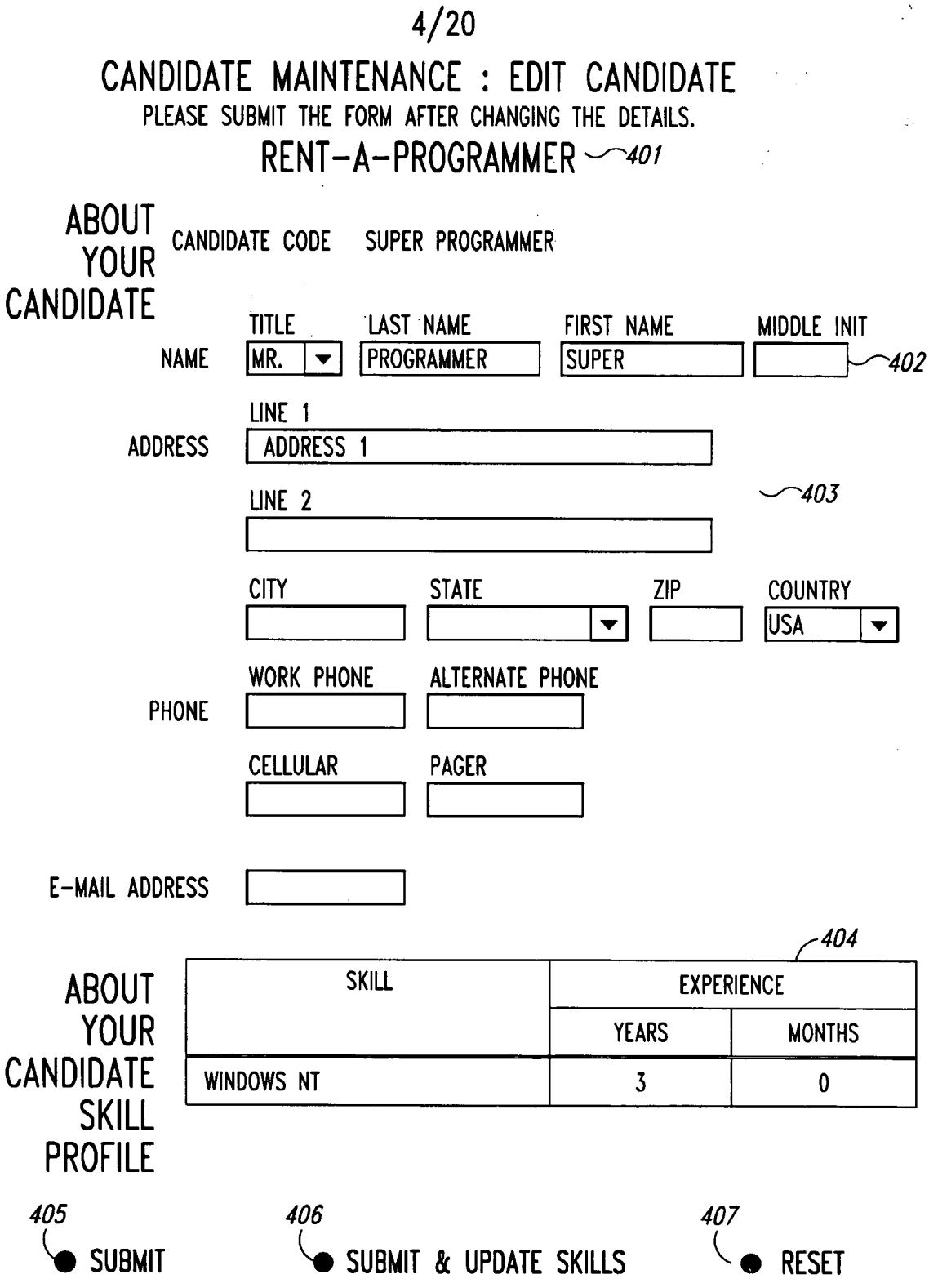
CANDIDATE MAINTENANCE : EDIT CANDIDATE
PLEASE SUBMIT THE FORM AFTER CHANGING THE DETAILS.
RENT-A-PROGRAMMER
401
ABOUT YOUR CANDIDATE
CANDIDATE CODE SUPER PROGRAMMER
TITLE
LAST NAME
FIRST NAME
MIDDLE INIT
NAME
MR.
PROGRAMMER
SUPER
402
LINE 1
ADDRESS
ADDRESS 1
403
LINE 2
CITY
STATE
ZIP
COUNTRY
USA
WORK PHONE
ALTERNATE PHONE
PHONE
CELLULAR
PAGER
E-MAIL ADDRESS
404
ABOUT YOUR CANDIDATE SKILL PROFILE
SKILL
EXPERIENCE
YEARS
MONTHS
WINDOWS NT
3
0
405
SUBMIT
406
SUBMIT & UPDATE SKILLS
407
RESET

Fig. 4

OPEN REQUIREMENTS LISTING

COMPLETE LISTING OF REQUIREMENTS WHICH ARE OPEN.

RENT-A-PROGRAMMER ~501

REQUIREMENTS (ALL REQS) | REQUIREMENTS (PROFILE REQS) ~502

SORT BY : PROJECT LOCATION ▼ START FROM : 503 504 GO

COUNTRY : -SELECT- ▼ STATE : -SELECT- SKILL : -SELECT- / GUPTA SQL BASE / INTERBASE

REQ REFERENCE	JOB TITLE	# OF POS	SKILLS	PROJECT LOCATION	AUCTION START DATE	AUCTION CLOSE DATE
BA05	DATA ANALYST	1	A/P APPLICATIONS, ACCOUNTING APPLICATIONS, ER DIAGRAMS	ARIZONA	11/26/1999	12/31/1999
00001	SOFTWARE CONSULTANT	1	JAVA	CALIFORNIA	11/22/1999	11/30/1999
BA02	PROGRAMMERS	3	VISUAL C++ COM /DCOM / COM+, SQL SERVER PROGRAMMING	COLORADO	11/18/1999	11/30/1999
2000BUG	Y2K SENIOR PROGRAMMER	2	WINDOWS NT	WASHINGTON, D.C.	11/28/1999	11/30/1999

~505

~506

Fig. 5

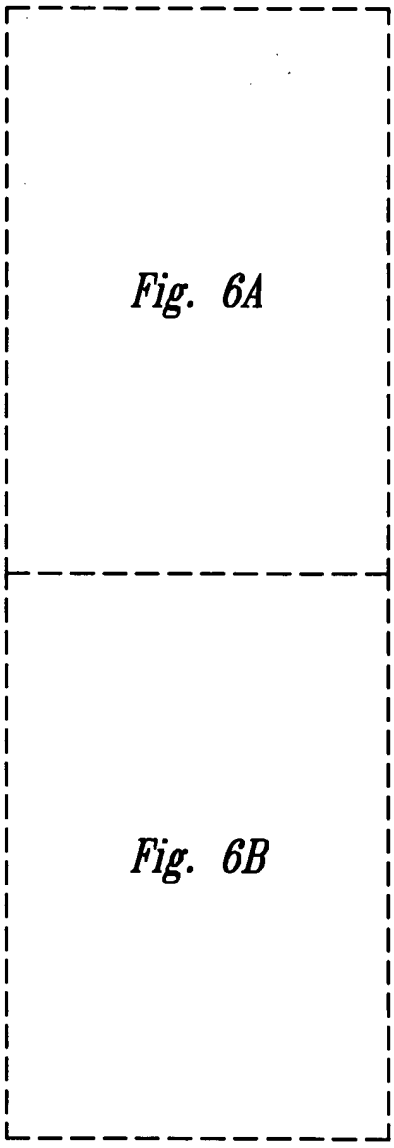

Fig. 6A

Fig. 6B

Fig. 6

REQUIREMENT DETAILS

DETAIL OF THIS REQUIREMENT AND THE SHORTLISTED BIDS.

RENT-A-PROGRAMMER 601

REQ REFERENCE	2000BUG			
JOB TITLE	Y2K SENIOR PROGRAMMER			# OF CANDIDATES TO BE INTERVIEWED
POSITIONS	# OF POSITIONS TO BE FILLED 2		INTERVIEWS	4
MAX BILL RATE ($/HR)	400			
PROJECT LOCATION	COUNTRY USA	STATE WASHINGTON, D.C.		CITY
PROJECT DATE (MM/DD/YYYY)	ASSIGNMENT START DATE 12/01/1999	APPROX. DURATION (MONTHS) 2		
AUCTION DATES (MM/DD/YYYY)	START DATE 11/28/1999 (EST)	TIME 17:00:00	END DATE 11/30/1999	TIME 17:00:00 (EST)

602

SKILL SET

SKILL	SKILL TYPE	EXPERIENCE (MONTHS)	
		MIN	MAX
WINDOWS NT	REQUIRED	36	--

JOB DESCRIPTION FIX Y2K PROBLEMS FOR NUCLEAR POWER PLANT

CLIENT SPECIFICATIONS

BILL STEP RATE ($/HR) : 00.5
CONSULTANTS WITH LESS THAN 50% OF THE MINIMUM REQUIRED EXPERIENCE WILL NOT BE SHORTLISTED.
CONSULTANTS WITH LESS THAN 80% MATCH WITH REQUIRED SKILLS WILL NOT BE SHORTLISTED.
CONSULTANTS AVAILABILITY RELATIVE TO ASSIGNMENT START DATE : 37.037037037%.
CONSULTANT MUST BE AVAILABLE FOR 1 DAYS AFTER AUCTION CLOSE FOR INTERVIEW AND SELECTION.

603

SUBMIT A BID

604

ENTER THE CODE OF THE CANDIDATE YOU WISH TO SUBMIT.
IF THE CANDIDATE CODE IS NON-EXISTANT IN THE SYSTEM, YOU WILL BE PROMPTED TO ENTER A NEW CANDIDATE TO BID.

Fig. 6A

"*" DENOTES MANDATORY INFORMATION

CANDIDATE CODE*	BID PRICE * ($RATE/HR).	AVAILABILITY DATE * (MM/DD/YYYY)	RESERVATION TO DATE * (MM/DD/YYYY)	CONVENIENT TIME FOR INTERVIEW (HRS)
SUPER.PROGRAMMER	200	11/30/1999	11/30/1999	FROM 0 TO 0
605	606	607	608	609

RELATIVE SCORE:

1.07407

610

611 COMPUTE RELATIVE SCORE

612 CLEAR

613 CONFIRM BID

SHORTLISTED BIDS

614

CANDIDATE CODE	RELATIVE SCORE	BID AMOUNT ($/HOUR)	SKILL FIT (%)	AVAILABILITY DATE (MM/DD/YYYY)	RESERVATION (DAYS)	BID DATE/ TIME
NO SHORTLISTED BIDS						

MY OTHER BIDS

615

CANDIDATE CODE	RELATIVE SCORE	BID AMOUNT * ($/HOUR)	SKILL FIT (%)	AVAILABILITY DATE * (MM/DD/YYYY)	RESERVATION DATE * (MM/DD/YYYY)	BID DATE/ TIME
NO OTHER BIDS FOR THIS REQUIREMENT						

Fig. 6B

YOUR BIDS LISTING

COMPLETE LISTING OF YOUR BIDS.

RENT-A-PROGRAMMER ~701

MY BIDS : LIVE AUCTION

BID OPTION : ALL I CLOSED I LIVE AUCTION ~702

SORT BY : BID ID ▼ (703) START FROM : (704) ● GO

(705)

BID ID	CANDIDATE CODE	CANDIDATE NAME	REQ REFERENCE	JOB TITLE	SKILLS	# OF POS	AUCTION END DATE	BID STATUS
144	SUPER. PROGRAMMER	S PROGRAMMER	2000BUG	Y2K SENIOR PROGRAMMER	WINDOWS NT	2	11/30/1999	SHORTLISTED
145	DUMB. PROGRAMMER	D PROGRAMMER	2000BUG	Y2K SENIOR PROGRAMMER	WINDOWS NT	2	11/30/1999	SHORTLISTED

Fig. 7

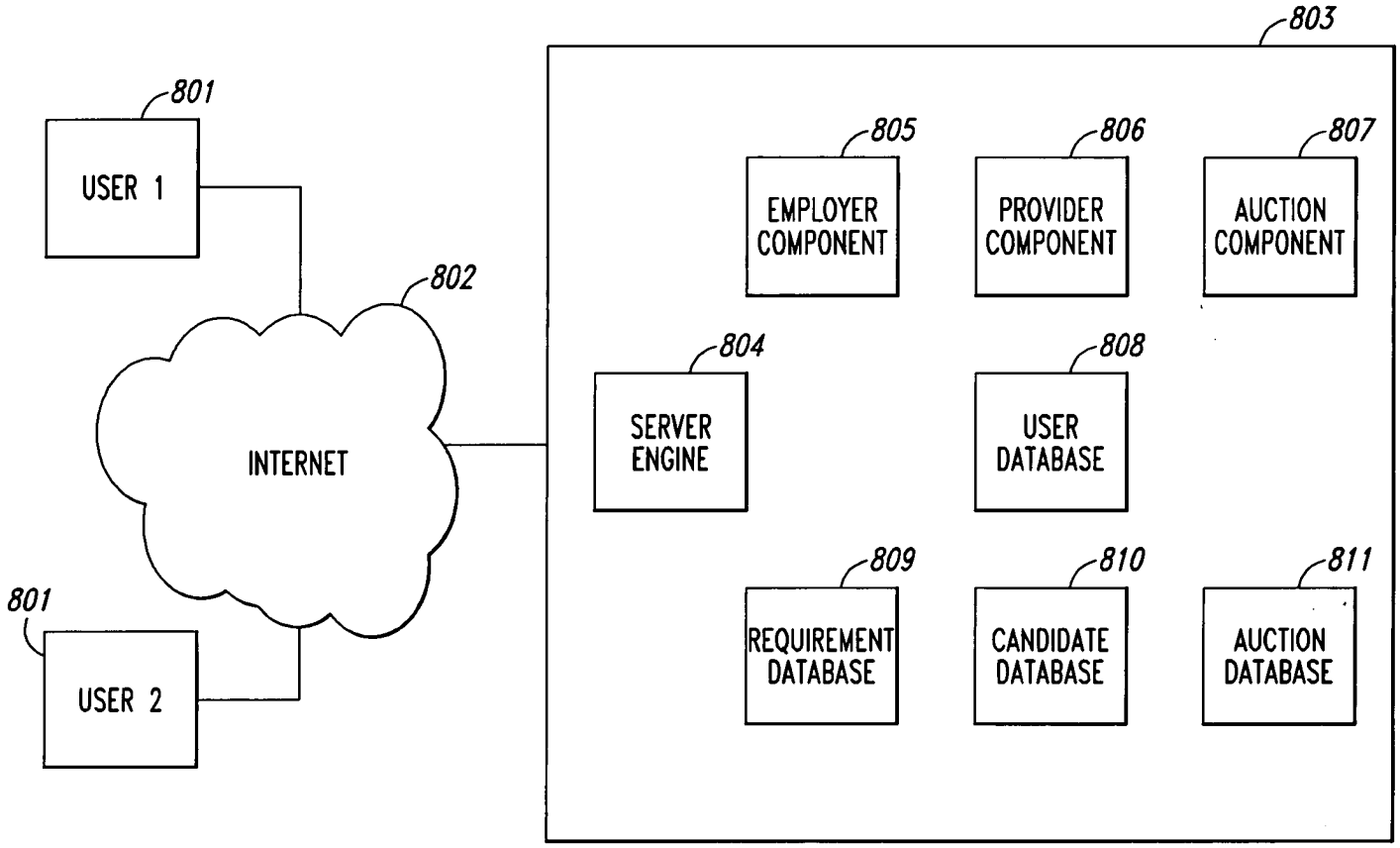
803
801
USER 1
802
INTERNET
801
USER 2
805
EMPLOYER COMPONENT
806
PROVIDER COMPONENT
807
AUCTION COMPONENT
804
SERVER ENGINE
808
USER DATABASE
809
REQUIREMENT DATABASE
810
CANDIDATE DATABASE
811
AUCTION DATABASE

Fig. 8

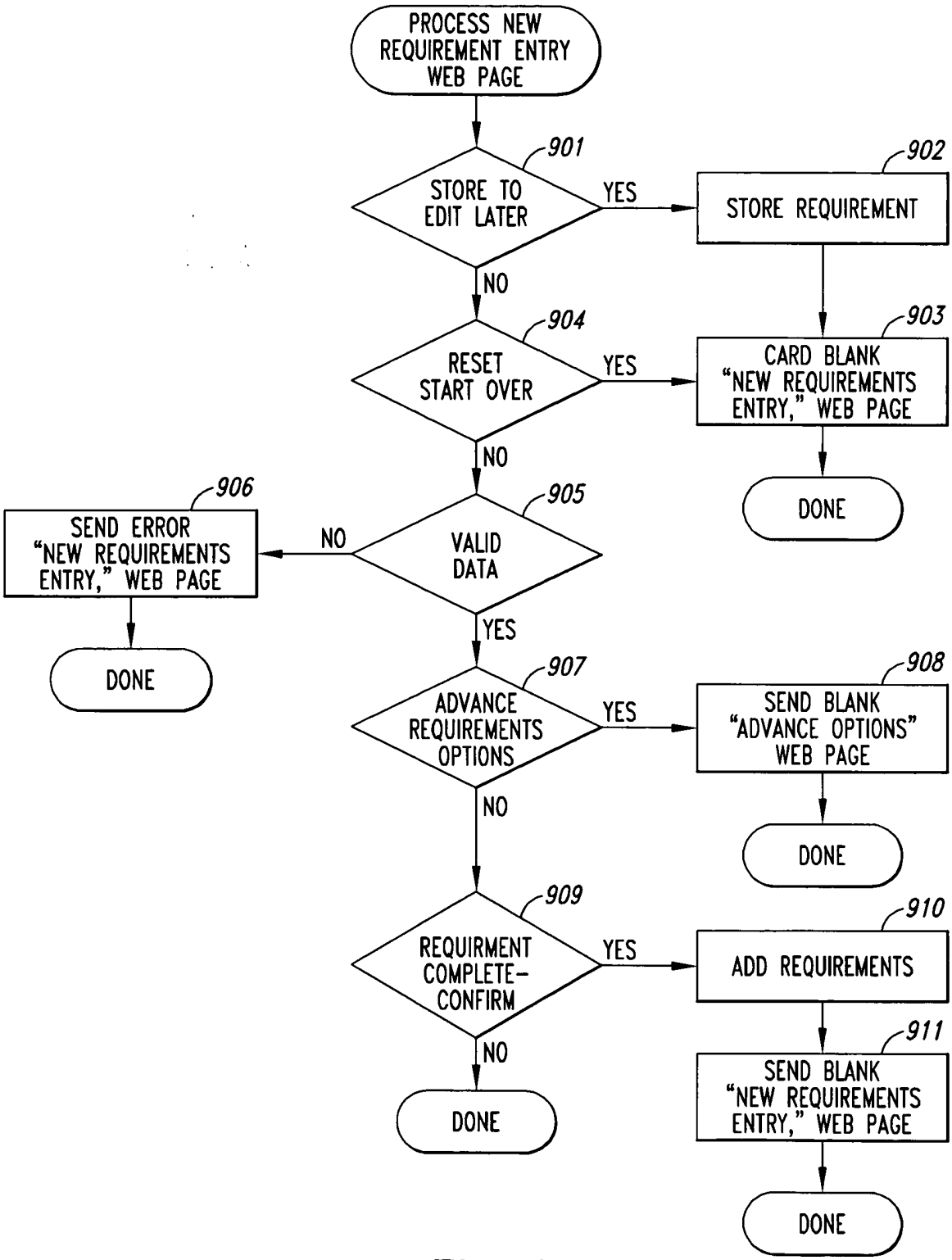
PROCESS NEW REQUIREMENT ENTRY WEB PAGE
901
STORE TO EDIT LATER
YES
902
STORE REQUIREMENT
NO
904
RESET START OVER
YES
903
CARD BLANK "NEW REQUIREMENTS ENTRY," WEB PAGE
NO
DONE
906
905
SEND ERROR "NEW REQUIREMENTS ENTRY," WEB PAGE
NO
VALID DATA
YES
DONE
907
908
ADVANCE REQUIREMENTS OPTIONS
YES
SEND BLANK "ADVANCE OPTIONS" WEB PAGE
NO
DONE
909
910
REQUIRMENT COMPLETE-CONFIRM
YES
ADD REQUIREMENTS
NO
911
SEND BLANK "NEW REQUIREMENTS ENTRY," WEB PAGE
DONE
DONE

Fig. 9

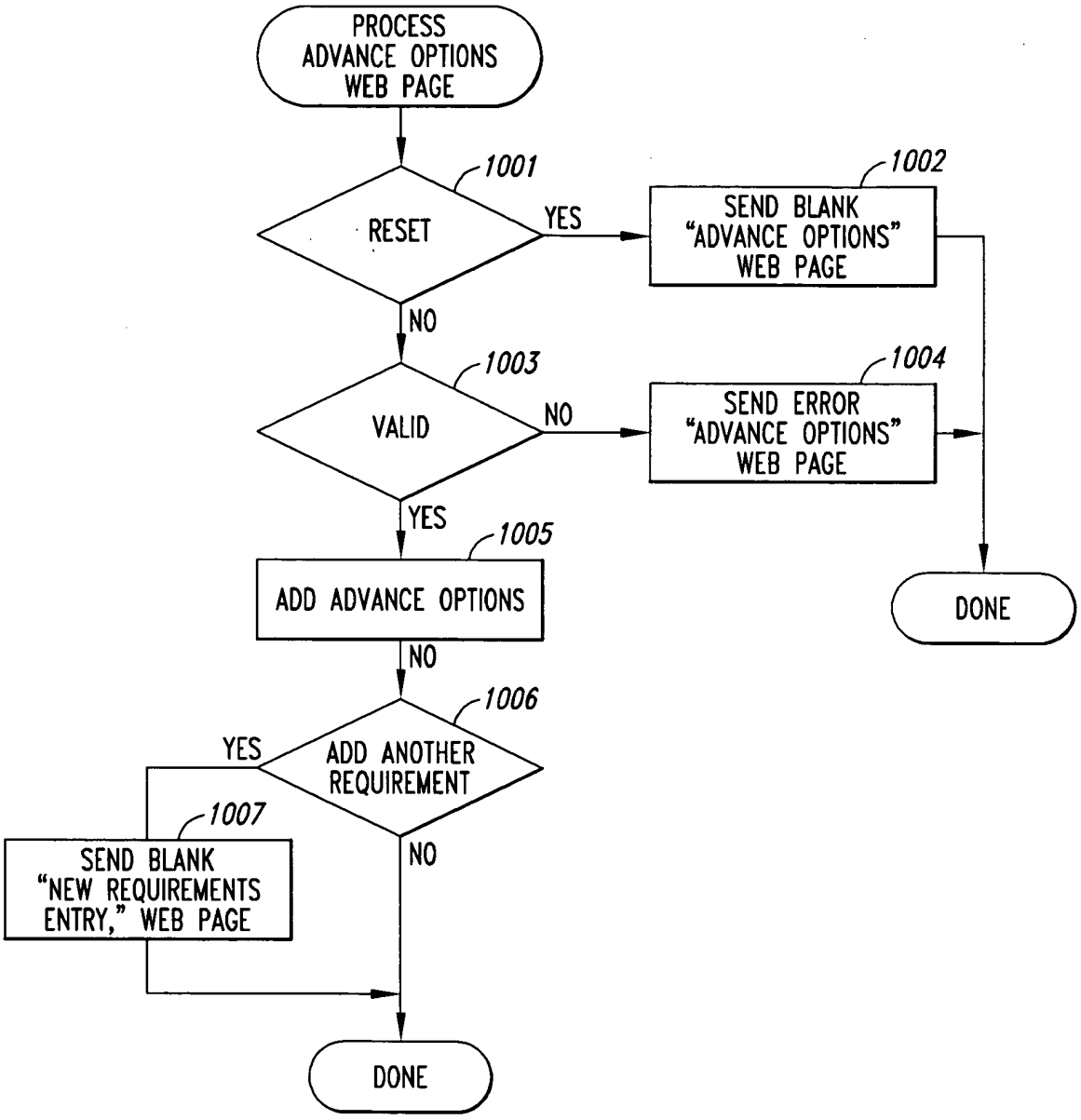
PROCESS ADVANCE OPTIONS WEB PAGE
1001
RESET
YES
1002
SEND BLANK "ADVANCE OPTIONS" WEB PAGE
NO
1003
VALID
NO
1004
SEND ERROR "ADVANCE OPTIONS" WEB PAGE
YES
1005
ADD ADVANCE OPTIONS
DONE
NO
1006
YES
ADD ANOTHER REQUIREMENT
1007
SEND BLANK "NEW REQUIREMENTS ENTRY," WEB PAGE
NO
DONE

Fig. 10

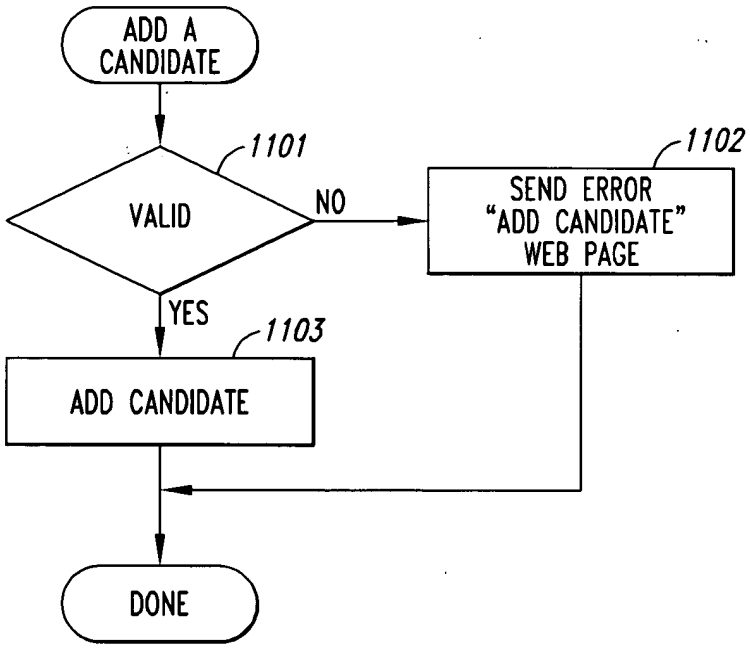
ADD A CANDIDATE
1101
VALID
NO
1102
SEND ERROR "ADD CANDIDATE" WEB PAGE
YES
1103
ADD CANDIDATE
DONE

Fig. 11

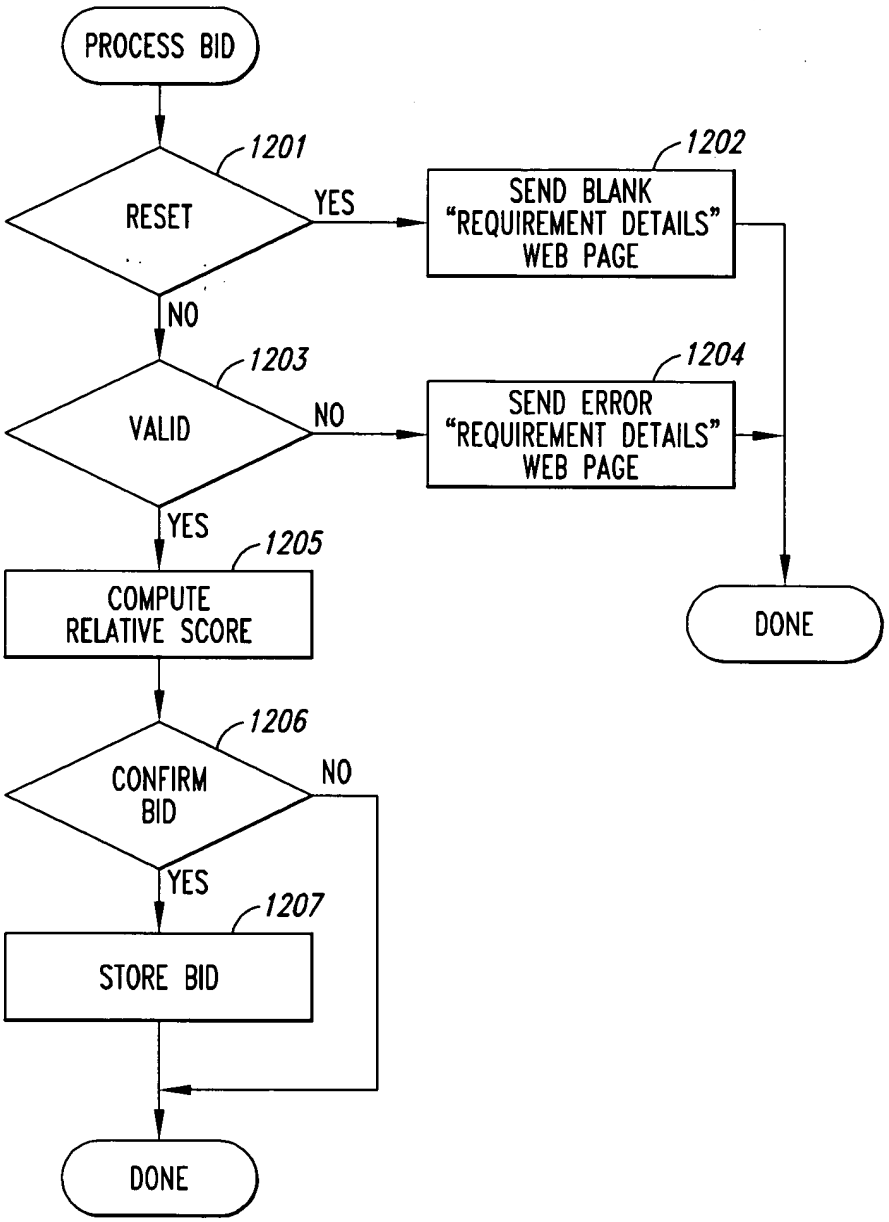
PROCESS BID
1201
RESET
YES
1202
SEND BLANK "REQUIREMENT DETAILS" WEB PAGE
NO
1203
VALID
NO
1204
SEND ERROR "REQUIREMENT DETAILS" WEB PAGE
YES
1205
COMPUTE RELATIVE SCORE
DONE
1206
CONFIRM BID
NO
YES
1207
STORE BID
DONE

Fig. 12

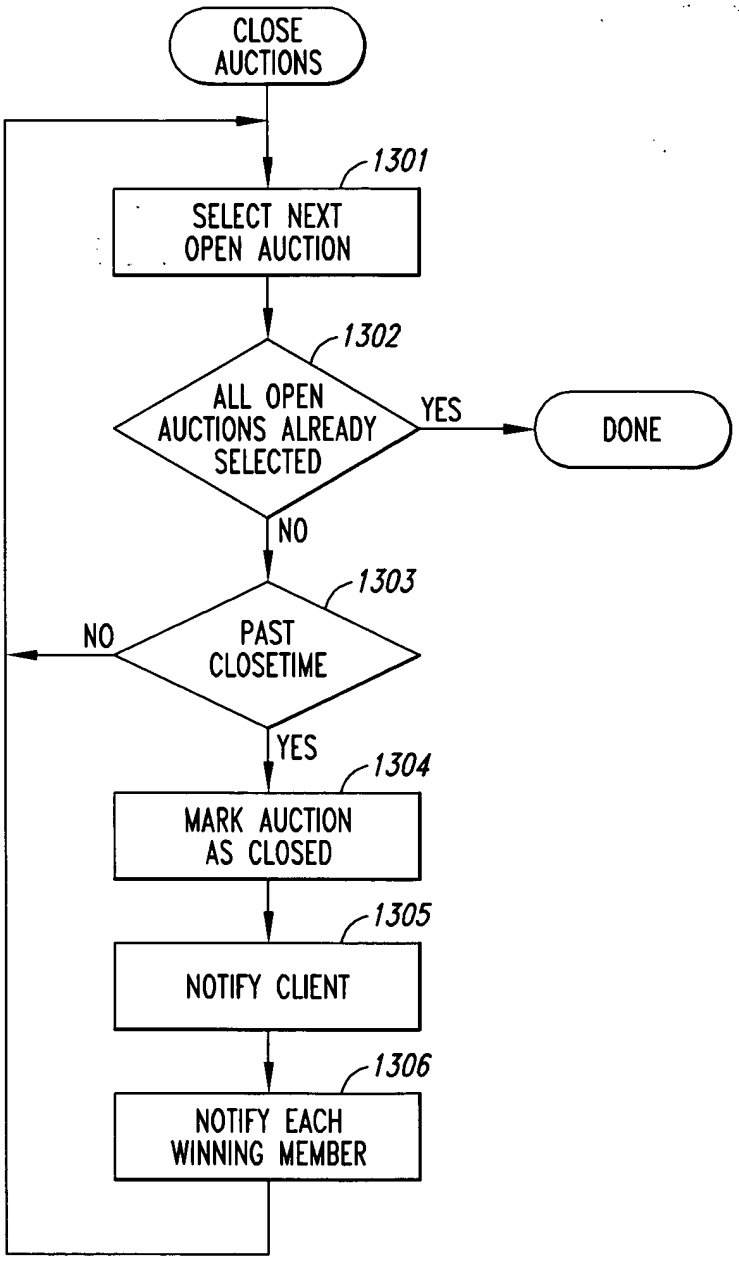
CLOSE AUCTIONS
1301
SELECT NEXT OPEN AUCTION
1302
ALL OPEN AUCTIONS ALREADY SELECTED
YES
DONE
NO
1303
NO
PAST CLOSETIME
YES
1304
MARK AUCTION AS CLOSED
1305
NOTIFY CLIENT
1306
NOTIFY EACH WINNING MEMBER

Fig. 13

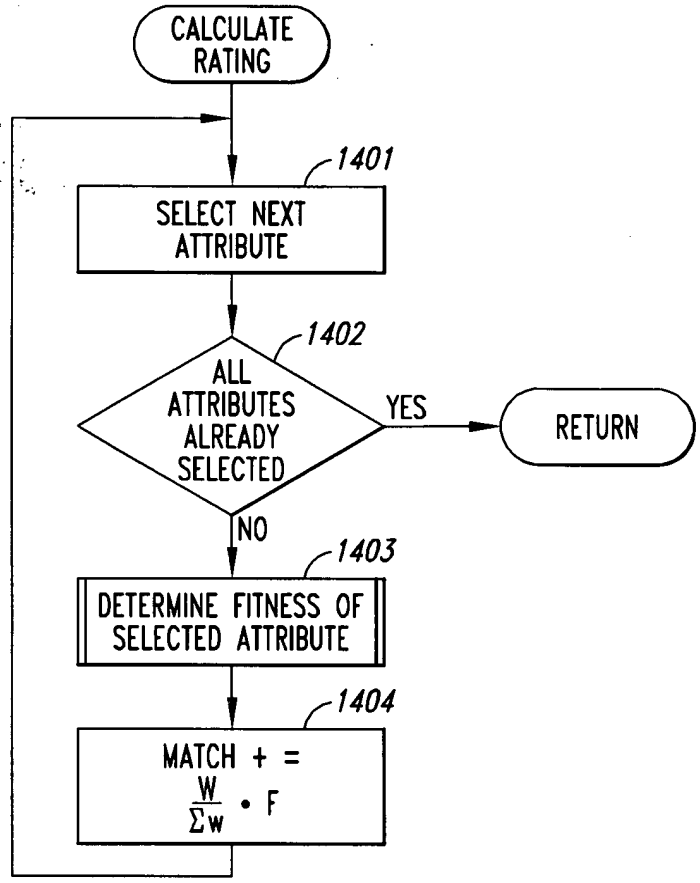
CALCULATE RATING
1401
SELECT NEXT ATTRIBUTE
1402
ALL ATTRIBUTES ALREADY SELECTED
YES
RETURN
NO
1403
DETERMINE FITNESS OF SELECTED ATTRIBUTE
1404
MATCH + = W/Σw • F

Fig. 14

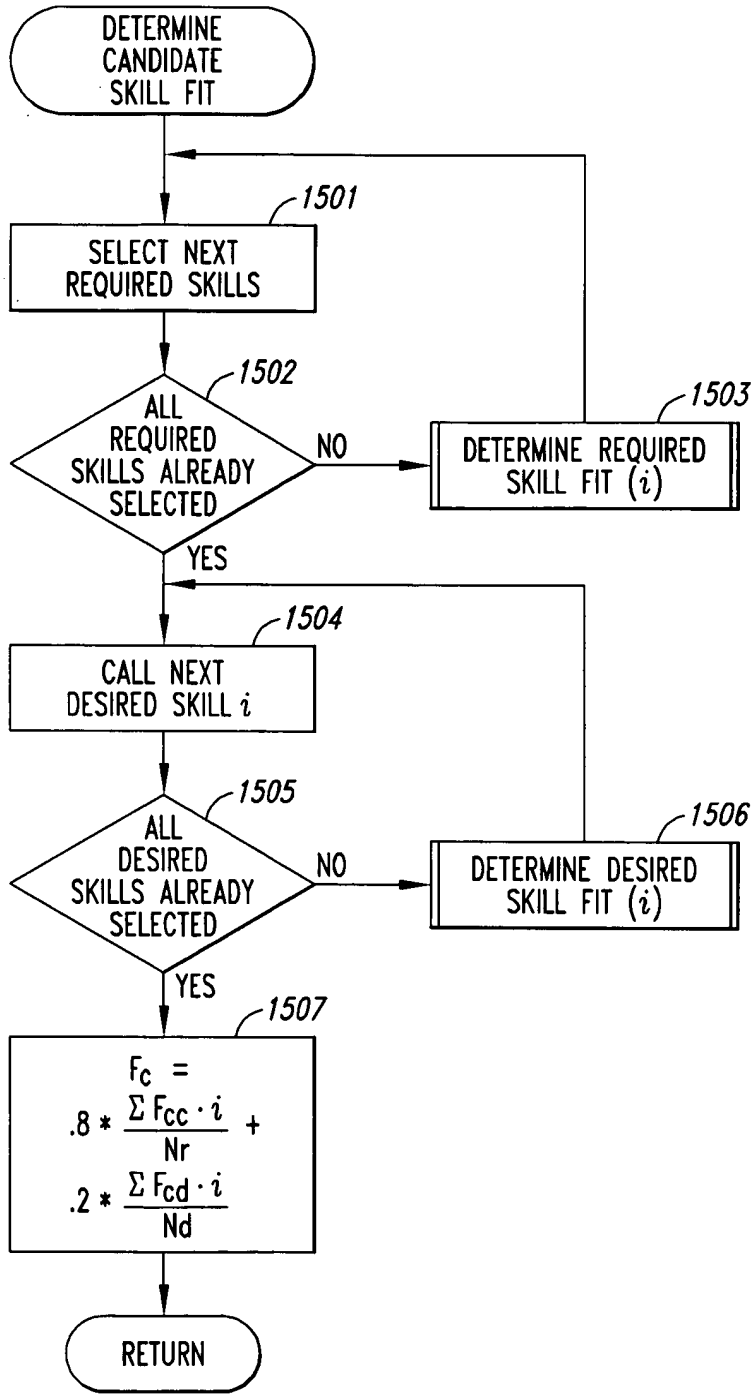
DETERMINE CANDIDATE SKILL FIT
1501
SELECT NEXT REQUIRED SKILLS
1502
ALL REQUIRED SKILLS ALREADY SELECTED
NO
1503
DETERMINE REQUIRED SKILL FIT (i)
YES
1504
CALL NEXT DESIRED SKILL i
1505
ALL DESIRED SKILLS ALREADY SELECTED
NO
1506
DETERMINE DESIRED SKILL FIT (i)
YES
1507
$F_c = .8 * \frac{\Sigma F_{cc} \cdot i}{Nr} + .2 * \frac{\Sigma F_{cd} \cdot i}{Nd}$
RETURN

Fig. 15

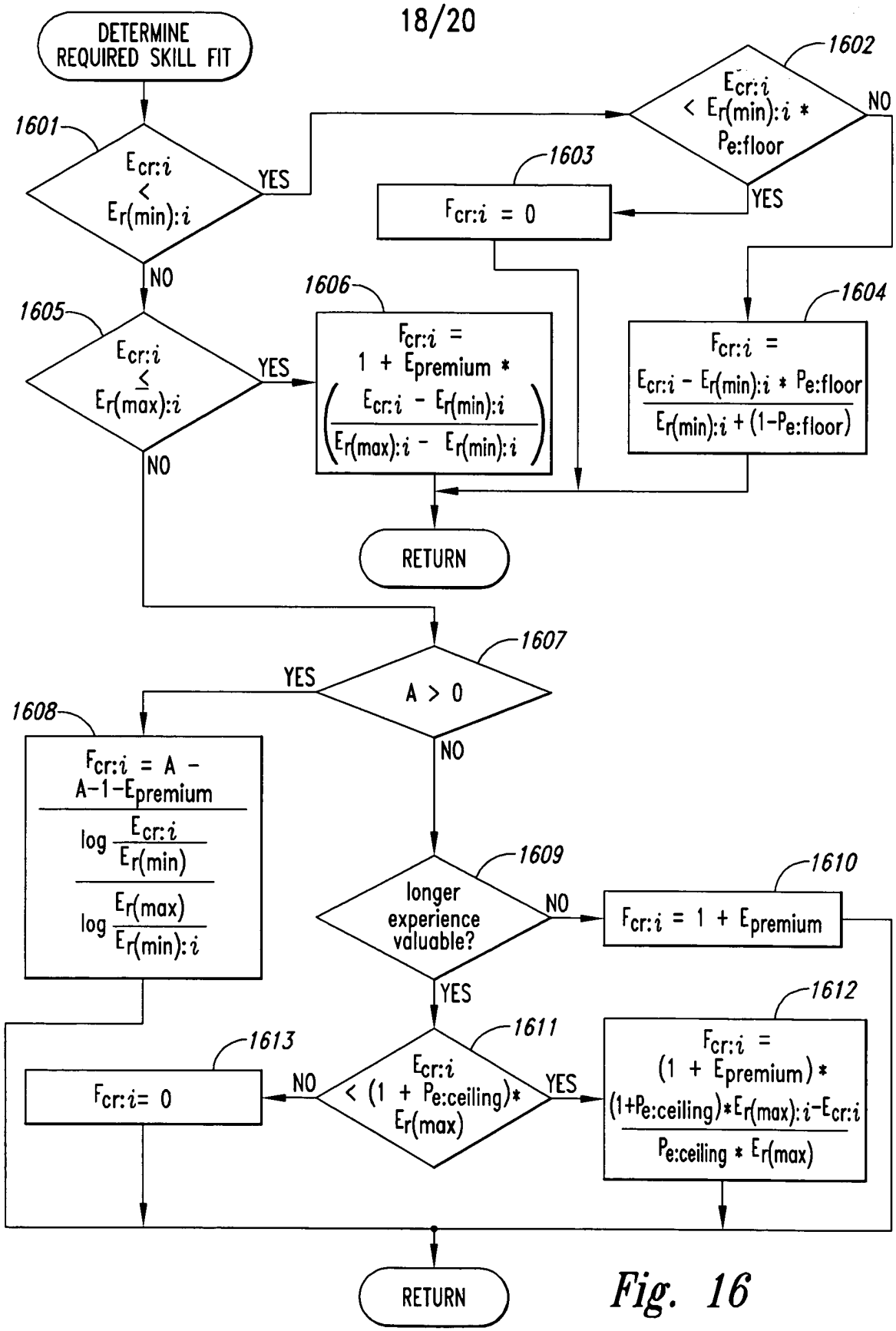
DETERMINE REQUIRED SKILL FIT
1601
$E_{cr:i} < E_{r(min):i}$
YES
NO
1602
$E_{cr:i} < E_{r(min):i} * P_{e:floor}$
NO
YES
1603
$F_{cr:i} = 0$
1604
$F_{cr:i} = \frac{E_{cr:i} - E_{r(min):i} * P_{e:floor}}{E_{r(min):i} + (1-P_{e:floor})}$
1605
$E_{cr:i} \leq E_{r(max):i}$
YES
NO
1606
$F_{cr:i} = 1 + E_{premium} * \left(\frac{E_{cr:i} - E_{r(min):i}}{E_{r(max):i} - E_{r(min):i}}\right)$
RETURN
1607
A > 0
YES
NO
1608
$F_{cr:i} = A - \frac{A-1-E_{premium}}{\log \frac{E_{cr:i}}{E_{r(min)}} \Big/ \log \frac{E_{r(max)}}{E_{r(min):i}}}$
1609
longer experience valuable?
NO
YES
1610
$F_{cr:i} = 1 + E_{premium}$
1611
$E_{cr:i} < (1 + P_{e:ceiling}) * E_{r(max)}$
NO
YES
1612
$F_{cr:i} = \frac{(1 + E_{premium}) * (1+P_{e:ceiling}) * E_{r(max):i} - E_{cr:i}}{P_{e:ceiling} * E_{r(max)}}$
1613
$F_{cr:i} = 0$
RETURN

Fig. 16

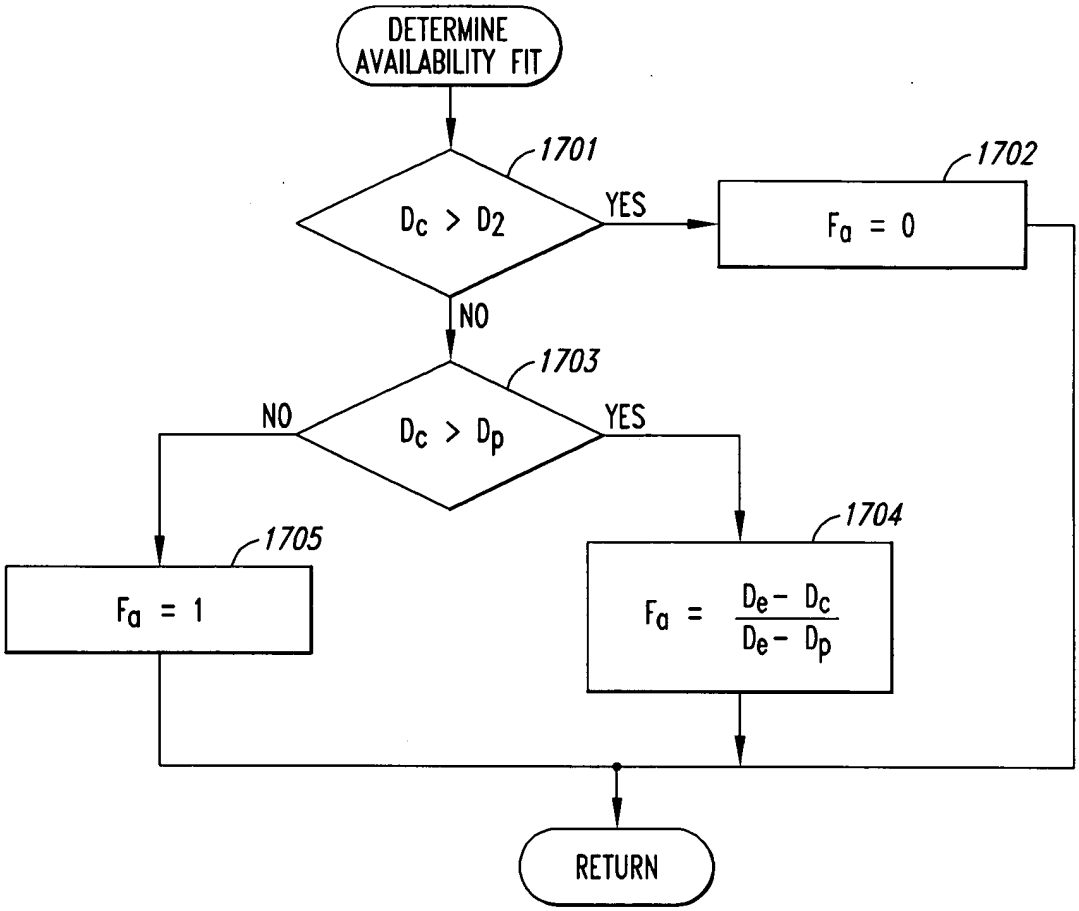
DETERMINE AVAILABILITY FIT
1701
$D_c > D_2$
YES
1702
$F_a = 0$
NO
1703
$D_c > D_p$
NO
YES
1705
$F_a = 1$
1704
$F_a = \frac{D_e - D_c}{D_e - D_p}$
RETURN

Fig. 17

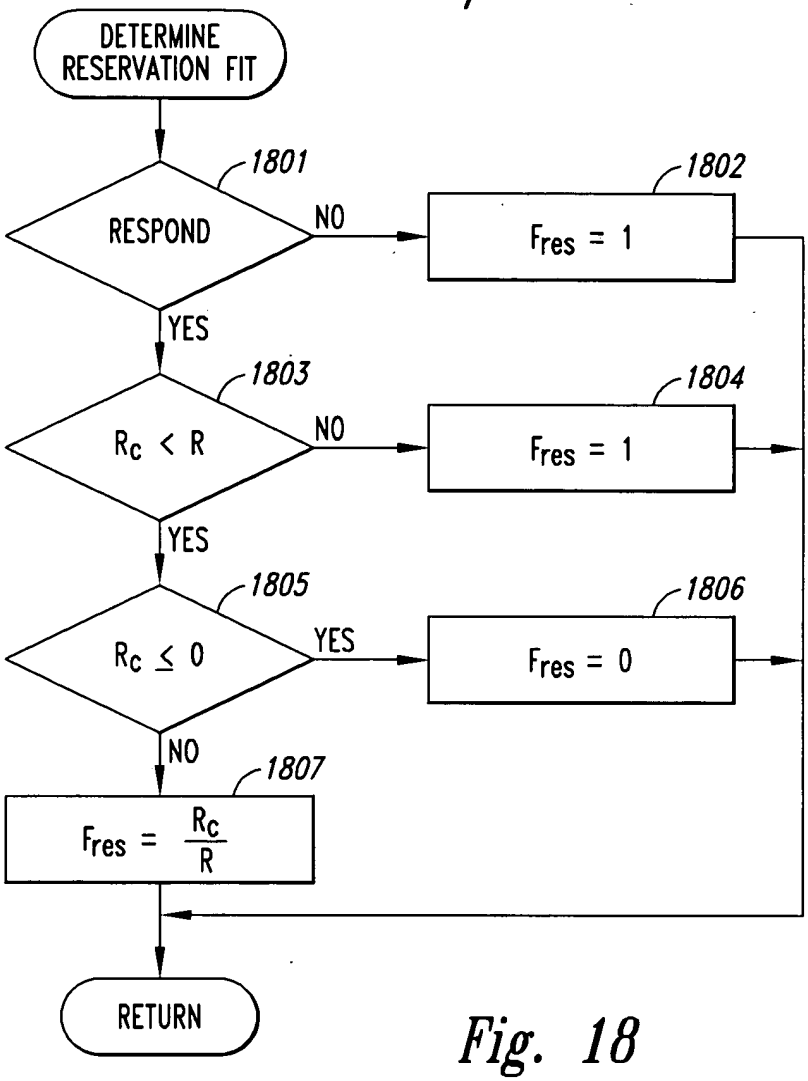
DETERMINE RESERVATION FIT
1801
RESPOND
NO
1802
Fres = 1
YES
1803
Rc < R
NO
1804
Fres = 1
YES
1805
Rc ≤ 0
YES
1806
Fres = 0
NO
1807
Fres = Rc / R
RETURN

Fig. 18

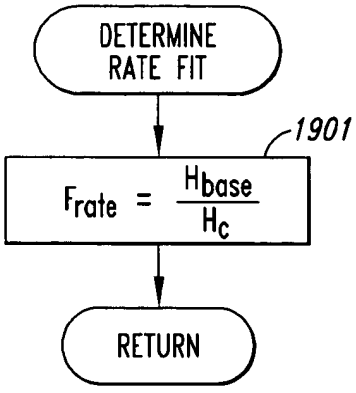
DETERMINE RATE FIT
1901
Frate = Hbase / Hc
RETURN

Fig. 19